

SOLAR AIR COLLECTOR CERTIFICATE



Certificate #: 1005
Date Issued: February 14, 2013
Issued to: SolarWall Europe sarl
Paris France

This certifies that the Products listed below have been tested by an accredited independent laboratory to a recognized test standard. In addition the manufacturer has documented procedures in place to ensure the solar Products are properly installed on the building in accordance with approved installation drawings and commissioned to optimize the solar energy savings.

These Products are entitled to bear SAHWIA's **Solar A Mark** as shown above.

PRODUCTS

SolarWall 2-Stage ambient air collector

Site built system using approved SolarWall components and installation drawings.

Products manufactured under licence from Conserval Engineering Inc.

Certified Collector Performance

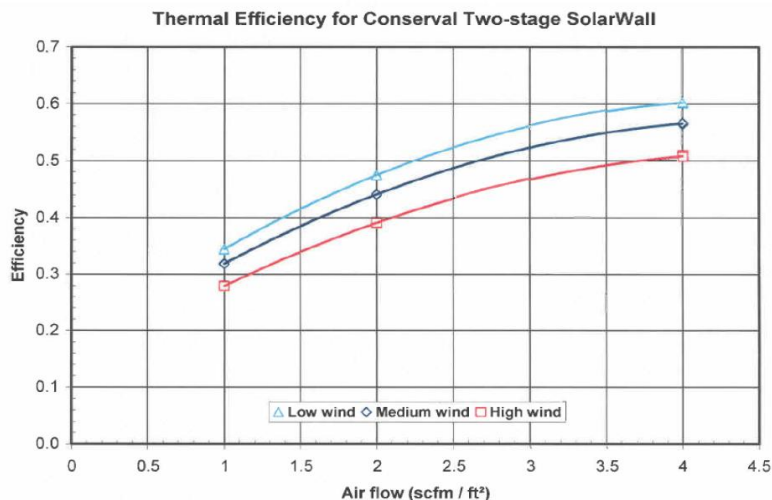


Figure 1: Efficiency versus air flow rates for various wind speeds

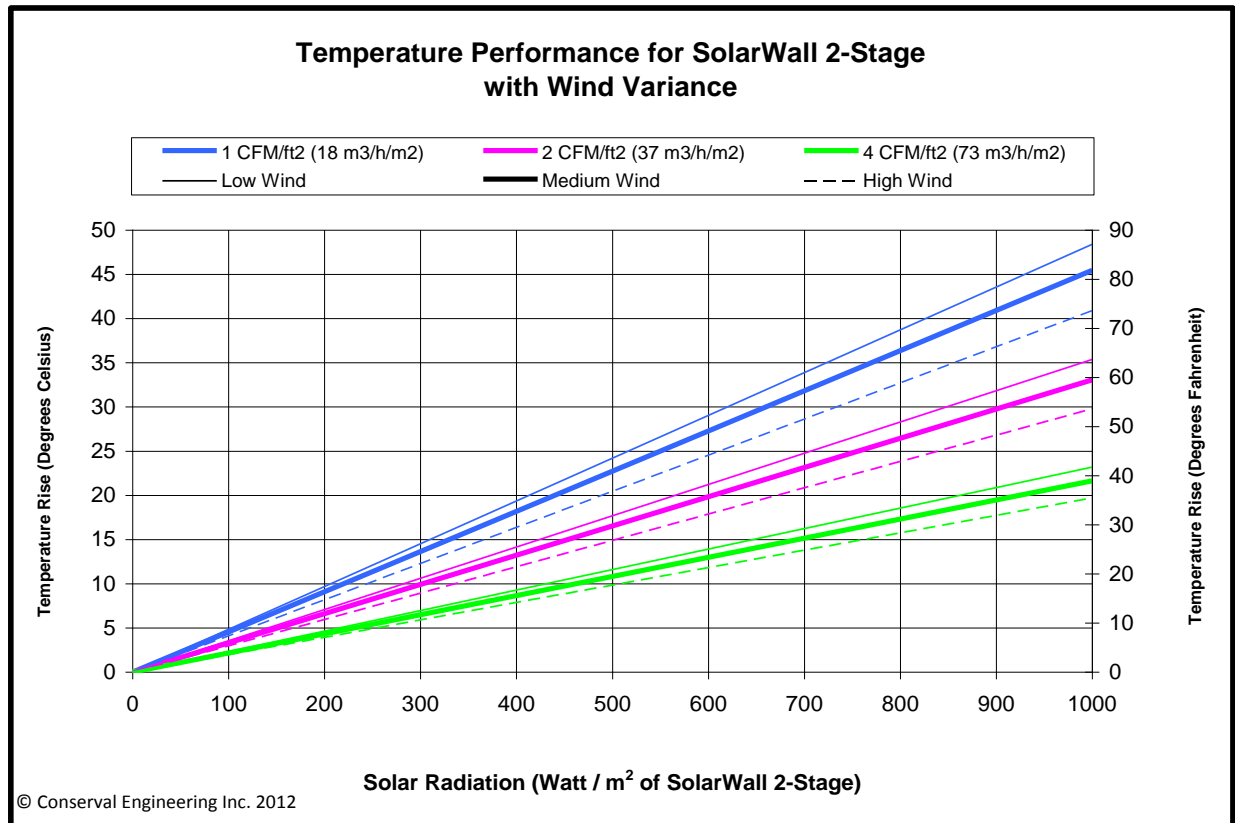


Figure 2: Temperature rise at different flow rates with variance for low, medium & high wind speeds

Test Lab: Exova
 Location: Mississauga Ontario Canada
 Test Date(s): August 17, 2011
 Report Number(s): 11-06-S0012
 Tested in accordance with: CSA F378.2 Standard

Remarks:

1. The tests were performed with a black SolarWall panel with a solar absorption of 0.95. Other colors can be used for SolarWall panels and the heat output must be adjusted by the color correction factor. For example, LSR dark brown has a solar absorption of 0.94. To obtain the heat output with this example, multiply temperature rise obtained from the Temperature graph by 0.94/0.95 to get correct number for that color panel.
2. Tests performed on collector with first stage unglazed (50% of panel area) and second stage glazed (50% of panel area). Polycarbonate glazing profile matched profile of solar absorber.